

## ABSTRACT OF DISCLOSURE

A fiber optic device with connection regions in grooves of a substrate is provided. In one aspect, the device is a fiber optic coupler assembly and each groove receives fiber optic cables in the connection region to form couplings. In another aspect, each groove receives cables for connection to an electronic component. In one embodiment, the device includes a substrate with an elongate member having grooves along an exterior surface. In another embodiment, the device includes a substrate with multiple elongate members, each having a groove along an interior surface. A method for assembling the device includes: a) receiving cables in a first groove; b) connecting the fibers of each cable together in a connecting region of the first groove; c) selecting at least one cable from the first coupling and severing the selected cable(s); and d) performing steps a) through c) for a second groove.

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